OIPE

RAW SEQUENCE LISTING DATE: 01/19/2002
PATENT APPLICATION: US/10/037,598 TIME: 11:52:15

Input Set : A:\ES.txt
Output Set: N:\CRF3\01182002\J037598.raw

p.5

3 <110> APPLICANT: Monsanto Co
4 Concibido, Vergel
5 Delanney, Xavier
7 <120> TITLE OF INVENTION: Soybean Plants with Enhanced Yields and Methods for Breeding for and
8 Screening of Soybean Plants with Enhanced Yields
10 <130> FILE REFERENCE: 38-21(52175)B
C--> 12 **<140> CURRENT APPLICATION NUMBER: US/10/037,598**
C--> 12 **<141> CURRENT FILING DATE: 2002-01-04**
12 <150> PRIOR APPLICATION NUMBER: 60/260,040
13 <151> PRIOR FILING DATE: 2001-01-05
15 <160> NUMBER OF SEQ ID NOS: 37
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
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22 <213> ORGANISM: Glycine max
24 <400> SEQUENCE: 1
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33 <400> SEQUENCE: 2
34 gcggagtttg atttttcaaa agt 23
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38 <211> LENGTH: 25
39 <212> TYPE: DNA
40 <213> ORGANISM: Glycine max
42 <400> SEQUENCE: 3
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46 <210> SEQ ID NO: 4
47 <211> LENGTH: 24
48 <212> TYPE: DNA
49 <213> ORGANISM: Glycine max
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55 <210> SEQ ID NO: 5
56 <211> LENGTH: 25
57 <212> TYPE: DNA
58 <213> ORGANISM: Glycine max
60 <400> SEQUENCE: 5
61 atcaatcgac gcaataatca agaaa 25
64 <210> SEQ ID NO: 6

Does Not Comply
Corrected Diskette Needed

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<213> ORGANISM: Glycine max
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<211> LENGTH: 25
<212> TYPE: DNA
<213> ORGANISM: Glycine max
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<213> ORGANISM: Glycine max
<400> SEQUENCE: 8
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<211> LENGTH: 25
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<213> ORGANISM: Glycine max
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<211> LENGTH: 26
<212> TYPE: DNA
<213> ORGANISM: Glycine max
<400> SEQUENCE: 10
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<212> TYPE: DNA
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<210> SEQ ID NO: 17
<211> LENGTH: 24
<212> TYPE: DNA
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<400> SEQUENCE: 17
gcgtagcaac aaagcaatct acag 24
<210> SEQ ID NO: 18
<211> LENGTH: 29
<212> TYPE: DNA
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<211> LENGTH: 235
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aaaaaagaat tcaaatgttt caaaatgaaa aatcattaat tcacttttat gtcaattatt 180
attattatta ttataacatt aattactttg aattgacttt tgaaaaatca aactc 235
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attattatta ttattattat tattattaaa agttatacat gtaaatattt ttttaaggtg 120
acattctgaa taaatttttta tatgtgattt gggaaaagta gagacaagtt caccctaaaa 180
ttaatattca gtaagtggaa cgtctccaaa tttattataa aaattgtaaa tatttattct 240
atgcgactga agttgtggaa aaagagataa aa 272
<210> SEQ ID NO: 21
<211> LENGTH: 280

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<212> TYPE: DNA
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attatatata tatatatata tatatatata tatatatata tatatatata gacaccccaa 120
taaaaatcat attaaaacaa ttataattca taatattcag aataaataaa aatattgaaa 180
taaatggcaa cacctcatcg tattcaaata aatataattg acacaacttt atactcaatt 240
ttttggttcc tggaatgaca tcccattgtc ttctcatcat 280
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<211> LENGTH: 366
<212> TYPE: DNA
<213> ORGANISM: Glycine max
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ttccttcctt catgttttcat tcgtgatcct gtttttggt atttcagggg gttgtttgag 180
cctagtaggg ggccaggtgt caacctatag ttgggatttc acccctagg ctgaaatttc 240
ctttcctcac ttaagtaaaa aaaaaaacaa aaagttttag tttttgtatg aaaatgcttt 300
tttatagcaa ttttatatga ttagaaaatt aaactattcc ccagtgtttg cacagggaac 360
atagaa 366
<210> SEQ ID NO: 23
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<400> SEQUENCE: 23
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aatgatgaaa cgtgtctgct aatgagattg agtgtg 96
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<211> LENGTH: 321
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actttattta taaaacaaat atttgtactt caattataac aacaaattta agaagaatat 120
atatatatat atatttgtga tggaaatgat catgaaagaa acagaatcaa tatttcttat 180
aatcaagaaa aataatagac tcatttattt cttataaaaa gaaggagata aagtataaaa 240
tacaaatggt aaacataaaa gaaaaaaaaa ctttttttga ccggtatggt aacgaaaatg 300
tagttaaagt ggcacacggg t 321
<210> SEQ ID NO: 25
<211> LENGTH: 185
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gttagttaat ttgtatattt attggtgata tgtctgaagt taagttaatt ggccatgcat 120
gtgtgtgtgt gtggtagtga gaagaattga gaaaaagaat gtggtctcca aagtccaacc 180
aatac 185
<210> SEQ ID NO: 26
<211> LENGTH: 3830

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298 <212> TYPE: DNA
299 <213> ORGANISM: Glycine max
301 <400> SEQUENCE: 26
302 tgtgttttac aatatttaga gaaacttggt tgatatcaca aaaaattgta agacaaaatt 60
304 aatgtcaagt gagtttagaa tactaaatga aaatttaac ataaaaaaaa aaaaatcaat 120
306 ggaatggaac ccatccagcg caactagctg agtcacatac agtgccaaaa gacatgggta 180
308 ctacaaatgc tcactttagt ggctatggaa caaccatcag cattcagctc ttccttttt 240
310 ctgtcgtagg ccaagagaca aagtttgtca caggtttaca aattgattgt ggccacaatc 300
312 acacggtaaa cattagaatg gaagaaaaaa aatctgtcta tgatcgatgt cgtgaacttc 360
314 acccactcca tcaatgaaga atttatttta aatacagtta cacaccaact taataagact 420
316 ttttgcacaa aattacctga ttgggaggaa tatgaattgt cttataaatc acgtattcac 480
318 aagttctact tttacaaaac tctttacatg tattttccaa aaaaagaaaa atctttacat 540
320 gtatgttaac ctacctaaca aatctctaat taacctataa attttttaaa tgcttttga 600
322 gaaaacttta taggcagata gaagattgtt gagagttttt taaatgctta tcaacaatct 660
324 ccgatagtcc cttagcttta ccaagtacat gaaaatctta catataatgc ttttacttta 720
326 ccaactatta acttgagcac cgaaatcttt accagtatgc tcatttgatg catattaaaa 780
328 tgtacaaaat tttatagagg cctgatcaat accatcgaat gaaaccttaa tgacatgcta 840
330 cttgttagcg atgtcaataa aggcttactc aaggattatt ccacaggcct aaatcataga 900
332 caattttact taattgtatt tattcaatta gtccttagat gtcaaagaat ctattagatg 960
334 atagttttag tggcatgata gagaatgaaa cccacatcta taaaaaaaag aagacaaaag 1020
336 ttagttttag atctttaatc acttgtgtga attcatatta gttttacgtg tattcgaagt 1080
338 gaaaatattc atctgtatga gaccataaac attcttatga gagacttgtt tgaagtataa 1140
340 tttttcatag tacagtaaag ctgattgttg ttttttctcg tacgcaaaat ttatattcag 1200
342 gacaatgttt aagagtgaaa acatаataaa attaacctca caaaaagtaa gtatatatat 1260
344 atatatatat atatatatat atatataaat ctcaatcaat taaaataata ataaggacaa 1320
346 ataaatagat tctcacaaaa tataatttat tattaaatta atttttaaca ttatаactta 1380
348 acgataaaat atttttttta tatttttta tgaactaatt taacaactca tcacatcttg 1440
350 caaaacaaaa tgaatcattt atcctaataa taatttaatt taggcgttta ttttatgatg 1500
352 atttagcatc ttttgggag aatactaaaa aacatataaa agaaaaagaa atattcagga 1560
354 tgaaaaatga aatgcgtgtg aaaattggaa ggaggtaagg ctgggtcgac ccagatctag 1620
356 ttgagctcac caactcccgc tcccatttcc ttatttatag acagagtctg attgtttcct 1680
358 caccactccc tccactctct ttctctagtc ctgttatttc tcagcgcgta aagcatggct 1740
360 ttgttggtgg agaaaaccac gagtggtcgc gagtacaagg tcaaggacct ttcccaggcc 1800
362 gacttcggcc gcctcgagat cgagctggcc gaggttgaga tgcccggcct catggcctgt 1860
364 cggaccgagt tcggcccctc ccagcccttc aaggggccc gcatcaccgg ctccctccac 1920
366 atgaccatcc agaccgccgt tctcattgag acccтcaccg cccttggcgc cgaggtccgc 1980
368 tggtgctcct gcaacatctt ctccacccag gaccacgccg ccgccgctat tgcccgcgac 2040
370 agtgccgccg tcttcgcctg gaagggtgag accctccagg agtactggtg gtgcaccgag 2100
372 cgcgccctcg actggggccc cggtggtgga cccgacctca tcgtcgacga cggtggtgac 2160
374 gctacccttc tcatccacga aggcgtcaag gccgaggagc tctatgagaa gaccggcgaa 2220
376 ctccccgacc ccaactccac cgacaacgcc gagttтcaga tcgtgcttac catcatcaga 2280
378 gatgggttga agaccgatcc caccaggtac cgcaagatga aggagcgtct cgttggggtt 2340
380 tctgaggaaa ccaccactgg agttaagagg ctctatcaga tgcaggcgaa tgggactctt 2400
382 ctcttccctg ctattaatgt caatgactct gtcaccaaga gcaaggtaat gtctcttttt 2460
384 cccccagatc tagtgtcttt tttgtgttaa aatgtaggat tgagttcgga tctgttgttt 2520
386 ttggatgggt tttgtgccat tggtgaaatg aggttttgaa cctgtcaact gtttgactaa 2580
388 tgtcctctaa gaagtctgga tcggtattgg gtgctatttt agtgtgtttg gatctgtgtg 2640
390 ttgaaacgtc agaacattag taagttgctt gctaacgtga ctttaggtaa atggtcacat 2700
392 gttttattac acaaataagg aattgattct gagtgcacat tttgatttga agctactttt 2760

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 01/19/2002
PATENT APPLICATION: US/10/037,598 TIME: 11:52:16

Input Set : **A:\ES.txt**
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34